



June 3, 2013

ELMARO FARMS INCORPORATED
WINERY
LYNITA DOCKEN
N14756 DELANEY ROAD
TREMPEALEAU WI 54661

HELLENBRAND INCORPORATED
JILL MCDONALD
404 MORAVIAN VALLEY ROAD
WAUNAKEE WI 53597

Re: Description: WATER TREATMENT DEVICE - SITE SPECIFIC/COMMERCIAL
Manufacturer: HELLENBRAND INCORPORATED
Product Name: ELMARO FARMS INC. - POE NITRATE
Model Number(s): H125-NRS-30 TRIPLEX DEMAND RECALL NITRATE REDUCTION SYSTEM WITH PH
ADJUSTMENT (Na₂CO₃)
Product File No: 20130166

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of June 2018.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturer's published instructions.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 267-9787.
- If this approved device is modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- This installation must undergo a final inspection prior to the device being put into service. The Plumbing Consultant having jurisdiction in this area is Bruce Meiners. Mr. Meiners can be contacted via the following:

Phone: 608-399-4156
Fax: 608-283-7452
E-mail: bruce.meiners@wi.gov

When the final inspection has been completed, this department will notify the Wisconsin Department of Natural Resources (WDNR). The WDNR will then monitor the performance of the device(s) to its satisfaction. A suggested frequency and overall duration of monitoring is provided elsewhere in this letter.

If these devices are installed and put in service prior to obtaining a final inspection, then any pertinent approval for the site specific device is immediately rendered null and void and the device may be ordered removed.

- When the final inspection has been passed, the Plumbing Consultant will notify the Wisconsin Department of Natural Resources (WDNR) Field Staff having authority over the well. The WDNR will then monitor the quality of the treated water to its satisfaction. Monitoring advice, which the WDNR is free to accept or reject, is provided elsewhere in this letter. The WDNR Field Staff having authority over this well is Amy Lesik. Ms. Lesik can be contacted via the following:

Phone: 715-839-2906
 E-mail: amyl.lesik@wisconsin.gov

- The suggested monitoring interval for this installation is quarterly. As a minimum, the following tests should be performed:

1. nitrate
2. nitrite
3. copper

The samples should be collected at a time of day when the device is under stress and at a time most remote from the last regeneration cycle as possible. Because this device is reportedly being installed on a copper water supply system, concerns relating to decreased alkalinity and subsequent corrosion are applicable. The purpose of the sodium carbonate (NaCO_3), commonly referred to as "soda ash", injection is to mitigate this potential effect. If copper is detected, then lead samples should also be collected. Lead and copper corrosion samples should be collected in accordance with the USEPA's Lead/Copper Rule (i.e. overnight dwell samples most remote from the point of entry as possible).

- The anion exchange, nitrate reduction device being installed is approved under DSPS product file number 20100292. The approval letter can be viewed at:

<http://commerce.wi.gov/sb/docs/sb-ppalopp/wtd/20100292.pdf>

All stipulations displayed in the approval letter for product file number 20100292 must be adhered to.

TABLE 1 OF 1
NITRATE/NITRITE REDUCTION CAPABILITIES

Model Number	Salt 1 (lbs.)	Capacity 1* (grains)	Salt 2 (lbs.)	Capacity 2* (grains)	Salt 3 (lbs.)	Capacity 3* (grains)	Max. Flow (gpm)
H125-NRS-30	15.0	25,200	30.0	30,600	45.0	33,000	12

* = A flow restrictor must be installed to prevent exceeding the flow rates displayed

♦ = capacities listed at 25% SO_4^{2-}

1 grain/gal. = 17.1 mg/l

1 grain = 64.79891 mg

- The Hellenbrand Water Management System (WMS), has been previously approved under DSPS product File No.: 20110207. The approval letter can be viewed at:

<http://dsps.wi.gov/sb/docs/sb-ppalopp/20110207.pdf>

- Flow controls shall be installed to preclude each nitrate reduction device from exceeding its maximum rated service flow rate (i.e. 12 gpm).
- Any water treatment chemicals injected into the potable water supply shall conform to ANSI/NSF Standard 61.
- Any wall hydrant that is not served by the nitrate treatment device must have one, or more, of the following:

1. The handles of the hydrant shall be removed;
2. The hydrant shall be capped and sealed using solder; or
3. Signage shall be posted immediately above the hydrant indicating the water is unfit for human consumption.

- All water distribution piping shall be marked as required by Table SPS 382.40-1a. This is in addition to any signage/labeling that may be required by the WDNR via a notification requirement or nitrate waiver.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter
Plumbing Product Reviewer
Department of Safety and Professional Services
Division of Industry Services
Bureau of Technical Services
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glen.schlueter@wi.gov E-mail